

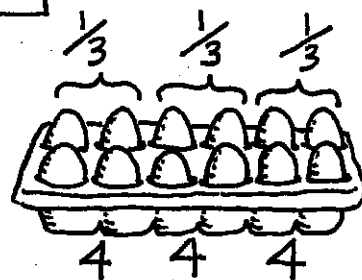
These numbers are compatible.  
Can you tell why?

$$\frac{2}{3} \text{ of } 12$$

With compatibles, it's easy to find  
the fractional part in your head.

Think of the unit fraction  
first, and divide . . .

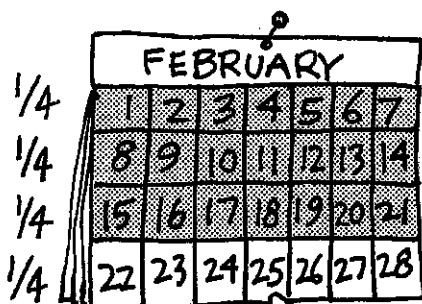
Then multiply to adjust  
your answer.



$$\frac{1}{3} \text{ of } 12 = 12 \div 3 = 4$$

$$\frac{2}{3} \text{ of } 12 = 2 \times \left(\frac{1}{3} \text{ of } 12\right) \\ = 2 \times 4 = 8$$

Now try this one.

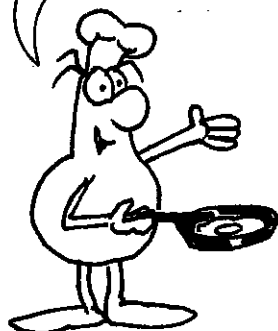


$$\frac{3}{4} \times 28$$

$$\frac{1}{4} \times 28 = 28 \div 4 = 7$$

$$\frac{3}{4} \times 28 = 3 \times \left(\frac{1}{4} \times 28\right) \\ = 3 \times 7 = 21$$

TRY THESE IN YOUR HEAD.  
Divide, then multiply.



1.  $\frac{1}{8}$  of 32

2.  $\frac{3}{8}$  of 32

3.  $\frac{5}{8}$  of 32

4.  $\frac{3}{4}$  of 12

5.  $\frac{17}{36}$  of 360

6.  $54 \times \frac{5}{9}$

7.  $\frac{5}{8} \times 48$

8.  $50 \times \frac{3}{10}$

9.  $\frac{3}{8} \times 72$

10.  $\frac{4}{3} \times 12$

# POWER BUILDER A

1.  $\frac{1}{4}$  of 12 = \_\_\_\_\_
2.  $\frac{1}{5}$  of 35 = \_\_\_\_\_
3.  $\frac{1}{8}$  of 40 = \_\_\_\_\_
4.  $\frac{1}{3}$  of 45 = \_\_\_\_\_
5.  $\frac{1}{7}$  of 28 = \_\_\_\_\_
6.  $\frac{3}{7}$  of 28 = \_\_\_\_\_
7.  $\frac{1}{5}$  of 45 = \_\_\_\_\_
8.  $\frac{2}{5}$  of 45 = \_\_\_\_\_
9.  $\frac{1}{10}$  of 70 = \_\_\_\_\_
10.  $\frac{3}{10}$  of 70 = \_\_\_\_\_

11.  $\frac{4}{5}$  of 20 = \_\_\_\_\_
12.  $\frac{3}{7}$  of 42 = \_\_\_\_\_
13.  $\frac{3}{4}$  of 100 = \_\_\_\_\_
14.  $\frac{2}{3}$  of 90 = \_\_\_\_\_
15.  $\frac{3}{5}$  of 100 = \_\_\_\_\_
16.  $\frac{5}{8}$  of 40 = \_\_\_\_\_
17.  $\frac{2}{3}$  of 600 = \_\_\_\_\_
18.  $\frac{3}{4}$  of 200 = \_\_\_\_\_
19.  $\frac{4}{5}$  of 200 = \_\_\_\_\_
20.  $\frac{2}{3}$  of 450 = \_\_\_\_\_

**THINK IT THROUGH**



Two-thirds of the number is 240.  
What is the number?

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# POWER BUILDER B

1.  $\frac{1}{3}$  of 15 = \_\_\_\_\_
2.  $\frac{1}{5}$  of 25 = \_\_\_\_\_
3.  $\frac{1}{4}$  of 40 = \_\_\_\_\_
4.  $\frac{1}{8}$  of 48 = \_\_\_\_\_
5.  $\frac{1}{7}$  of 35 = \_\_\_\_\_
6.  $\frac{2}{7}$  of 35 = \_\_\_\_\_
7.  $\frac{1}{3}$  of 90 = \_\_\_\_\_
8.  $\frac{2}{3}$  of 90 = \_\_\_\_\_
9.  $\frac{1}{10}$  of 60 = \_\_\_\_\_
10.  $\frac{3}{10}$  of 60 = \_\_\_\_\_

11.  $\frac{3}{4}$  of 20 = \_\_\_\_\_
12.  $\frac{2}{7}$  of 28 = \_\_\_\_\_
13.  $\frac{4}{5}$  of 100 = \_\_\_\_\_
14.  $\frac{3}{4}$  of 80 = \_\_\_\_\_
15.  $\frac{2}{5}$  of 100 = \_\_\_\_\_
16.  $\frac{3}{8}$  of 80 = \_\_\_\_\_
17.  $\frac{2}{3}$  of 300 = \_\_\_\_\_
18.  $\frac{3}{4}$  of 100 = \_\_\_\_\_
19.  $\frac{4}{5}$  of 200 = \_\_\_\_\_
20.  $\frac{2}{3}$  of 900 = \_\_\_\_\_

**THINK IT THROUGH**



Three-fourths of the number is 1200.  
What is the number?

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